```
============================================================
Sequence Listing was accepted.
If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).
Reviewer: Durreshwar Anjum
Timestamp: [year=2010; month=5; day=27; hr=15; min=38; sec=24; ms=230; ]
============================================================
```

Application No: 10522582   Version No: 2.0

Input Set:

Output Set:

Started:	2010-05-22 11:19:53.021
Finished:	2010-05-22 11:19:57.107
Elapsed:	0 hr(s) 0 min(s) 4 sec(s) 86 ms
Total Warnings:	129
Total Errors:	0
No. of SeqIDs Defined:	130
Actual SeqID Count:	130

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)
W 213	Artificial or Unknown found in <213> in SEQ ID (14)
W 213	Artificial or Unknown found in <213> in SEQ ID (15)
W 213	Artificial or Unknown found in <213> in SEQ ID (16)
W 213	Artificial or Unknown found in <213> in SEQ ID (17)
W 213	Artificial or Unknown found in <213> in SEQ ID (18)
W 213	Artificial or Unknown found in <213> in SEQ ID (19)
W 213	Artificial or Unknown found in <213> in SEQ ID (20)
W 213	Artificial or Unknown found in <213> in SEQ ID (21)

```
        Input Set:


        Output Set:



          Started:   2010-05-22 11:19:53.021
         Finished:   2010-05-22 11:19:57.107
          Elapsed:   0 hr(s) 0 min(s) 4 sec(s) 86 ms
   Total Warnings:   129
     Total Errors:   0
No. of SeqIDs Defined:   130
 Actual SeqID Count:   130
```

Error code   Error Description

```
          This error has occured more than 20 times, will not be displayed
```

<210> 1

<211> 28

<212> PRT

<213> Rattus rattus

<400> 1

Gly Ser Ser Phe Leu Ser Pro Glu His Gln Lys Ala Gln Gln Arg Lys
1   5   10   15

Glu Ser Lys Lys Pro Pro Ala Lys Leu Gln Pro Arg
        20   25

<210> 2

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> RNA pool

<220>

<221> misc_feature

<222> (22)..(61)

<223> nucleotide = a, g, c or u

<400> 2
ggagcucaga cuucacucgu gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60

ncacguacca cgucgguuc cac   83

<210> 3

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> RNA pool (reverse complementary strand)

<220>

<221> misc_feature

<222> (23)..(62)

<223> nucleotide = a,g,c or u

<400> 3
guggaaccga cagugguacg ugnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60

nncacgagug aagucugagc ucc   83

<210> 4

<211> 38

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<220>

<221> promoter

<222> (1)..(19)

<223> T7 promoter

<400> 4
tctaatacga ctcactatag gagctcagac ttcactcg   38

<210> 5

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> primer

<400> 5
gtggaaccga cagtggtacg   20

<210> 6

<211> 102

<212> DNA

<213> Artificial Sequence

<220>

<223> DNA pool

<220>

<221> misc_feature

<222> (41)..(80)

<223> nucleotide is a, g, c or t

<400> 6
tctaatacga ctcactatag gagctcagac ttcactcgtg nnnnnnnnnn nnnnnnnnnn   60

nnnnnnnnnn nnnnnnnnnn cacgtaccac tgtcggttcc ac   102

<210> 7

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 7
ggagcucaga cuucacucgu gugaggcaau aaaacuuaag uccgaaggua accaauccua   60

cacguaccac ugucgguucc ac   82

<210> 8

<211> 47

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 8
cgugugaggc aauaaaacuu aaguccgaag guaaccaauc cuacacg   47

<210> 9

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 9
ggagcucaga cuucacucgu gugaggcagu aaaacuuaag uccgaaggua accaauccua   60

cacguaccac ugucgguucc ac   82

<210> 10

<211> 47

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 10
cgugugaggc aguaaaacuu aaguccgaag guaaccaauc cuacacg   47

<210> 11

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 11
ggagcucaga cuucacucgu gugaggcaau aaaacuuaag uccgaaggua accaauccug   60

cacguaccac ugucgguucc ac   82

<210> 12

<211> 47

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 12
cgugugaggc aauaaaacuu aaguccgaag guaaccaauc cugcacg   47

<210> 13

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 13
ggagcucaga cuucacucgu gugaggcaau aaaacauaag uccgaaggua accaauccua   60

cacguaccac ugucgguucc ac   82

<210> 14

<211> 47

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 14
cgugugaggc aauaaaacau aaguccgaag guaaccaauc cuacacg   47

<210> 15

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 15
ggagcucaga cuucacucgu gugaggcaau aaaacguaag uccgaaggua accaauccua   60

cacguaccac ugucgguucc ac   82

<210> 16

<211> 47

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 16
cgugugaggc aauaaaacgu aaguccgaag guaaccaauc cuacacg   47

<210> 17

<211> 84

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 17
ggagcucaga cuucacucgu gugaggcaau aaaacuugua aguccgaagg uaaccaaucc   60

uacacguacc acugucgguu ccac   84

<210> 18

<211> 49

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 18
cgugugaggc aauaaaacuu guaaguccga agguaaccaa uccuacacg   49

<210> 19

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 19
ggagcucaga cuucacucgu gugaggcaau aaaaacuuaa guccgaaggu aaccaauccu   60

acacguacca cgucgguuc cac   83

<210> 20

<211> 48

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 20
cgugugaggc aauaaaaacu uaaguccgaa gguaaccaau ccuacacg   48

<210> 21

<211> 85

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 21
ggagcucaga cuucacucgu gcggugaggc aaaaacguaa gaccgaaggu aaccauuccu   60

acccacguac cacugucggu uccac   85

<210> 22

<211> 50

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 22
cgugcgguga ggcaaaaacg uaagaccgaa gguaaccauu ccuacccacg   50

<210> 23

<211> 85

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 23
ggagcucaga cuucacucgu gugagguagu aaaaaaacgu aaauccgaag guaaccaauc   60

cuacacguac cacugucggu uccac   85

<210> 24

<211> 50

<212> RNA

<210> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 24
cgugugaggu aguaaaaaaa cguaaauccg aagguaacca auccuacacg   50

<210> 25

<211> 88

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 25
ggagcucaga cuucacucgu gugagguagu aaaaaaaaaa cguaaauccg aagguaacca   60

auccuacacg uaccacuguc gguuccac   88

<210> 26

<211> 53

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 26
cgugugaggu aguaaaaaaa aaacguaaau ccgaagguaa ccaauccuac acg   53

<210> 27

<211> 89

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 27
ggagcucaga cuucacucgu gugaggguagu aaaaaaaaaa acguaaaucc gaagguaacc   60

aguccuacac guaccacugu cgguuccac   89

<210> 28

<211> 54

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 28
cgugugaggu aguaaaaaaa aaaacguaaa uccgaaggua accaguccua cacg   54

<210> 29

<211> 90

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 29
ggagcucaga cuucacucgu gugaggguagu aaaaaaaaaa aacguaaauc cgaagguaac   60

caauccuaca cguaccacug ucgguuccac   90

<210> 30

<211> 55

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 30
cgugugaggu aguaaaaaaa aaaaacguaa auccgaaggu aaccaauccu acacg   55

<210> 31

<211> 91

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 31
ggagcucaga cuucacucgu gugagguagu aaaaaaaaaa aaacguaaau ccgaagguaa   60

ccaauccuac acguaccacu gucgguucca c   91

<210> 32

<211> 56

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 32
cgugugaggu aguaaaaaaa aaaaaacgua aauccgaagg uaaccaaucc uacacg   56

<210> 33

<211> 94

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 33
ggagcucaga cuucacucgu gugaggguagu aaaaaaaaaa aaaaaacaua aauccgaagg   60

uaaccaaucc uacacguacc acugucgguu ccac   94

<210> 34

<211> 59

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 34
cgugugaggu aguaaaaaaa aaaaaaaaac auaaauccga agguaaccaa uccuacacg   59

<210> 35

<211> 19

<212> RNA

<213> Artificial Sequence

<220>

<223> primer binding sequence

<400> 35
ggagcucaga cuucacucg   19

<210> 36

<211> 20

<212> RNA

<213> Artificial Sequence

<220>

<223> primer binding sequence

<400> 36
cguaccacug ucgguuccac   20

<210> 37

<211> 47

<212> RNA

<213> Artificial Sequence

<220>

<223> truncated B11

<400> 37
cgugugaggc aauaaaacuu aaguccgaag guaaccaauc cuacacg   47

<210> 38

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 38
ggagcucaga cuucacucgu gcggugaggc agacguaaga ccgaagguaa ccauuccuac   60

ccacguacca cugucgguuc cac   83

<210> 39

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 39
ggagcucaga cuucacucgu gcggugaggc uaacguaaga ccgaagguaa ccauuccuac   60

ccacguacca cugucgguuc cac   83

<210> 40

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 40
ggagcucaga cuucacucgu guggugaggc uaacguaaga ccgaagguaa ccauuccuac   60

ccacguacca cugucgguuc cac   83

<210> 41

<211> 81

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 41
ggagcucaga cuucacucgu gugagguaau aaaacuaaau ccgaagguaa ccauuccuac   60

acguaccacu gucgguucca c   81

<210> 42

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 42
ggagcucaga cuucacucgu gcguaccguu auaaagggag uccugcagac ugaugccagg   60

ccacguacca cgucgguuc cac   83

<210> 43

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 43
ggagcucaga cuucacucgu gcggugaggc agacguaaga ccgaagguaa ccauuccuac   60

cacguaccac gucgguucc ac   82

<210> 44

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 44
ggagcucaga cuucacucgu gcggugaggc aaacguaaga ccgaagguaa ccauuccuac   60

cacguaccac gucgguucc ac   82

<210> 45

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 45
ggagcucaga cuucacucgu gcggugaggc uaacguaaga ccgaagguaa ccauccuac   60

cacguaccac ugucgguucc ac   82

<210> 46

<211> 84

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 46
ggagcucaga cuucacucgu gcggugaggc aaaaacguaa gaccgaaggu aaccauuccu   60

accacguacc acugucgguu ccac   84

<210> 47

<211> 80

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 47
ggagcucaga cuucacucgu gugagguaau aaaacuaaau ccgaagguaa ccaauccuaa   60

cguaccacug ucgguuccac   80

<210> 48

<211> 81

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 48
ggagcucaga cuucacucgu gugaggcagu aaaacuuaag uccgaaggua accaauccua   60

acguaccacu gucgguucca c   81

<210> 49

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 49
ggagcucaga cuucacucgu gugaggcaau uaaacuugaa guccgaaggu aaccaauccu   60

aacguaccac ugucgguucc ac   82

<210> 50

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 50
ggagcucaga cuucacucgu gugaggcgau aaaacuugua aguccgaagg uaaccaaucc   60

uaacguacca cugucgguuc cac   83

<210> 51

<211> 81

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<400> 51
ggagcucaga cuucacucgu ggaauaggaa ugacucagac guuucucaua cgucgccgca   60

acguaccacu gucgguucca c   81

<210> 52

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 52
ggagcucaga cuucacucgu ggaauaggaa ugacucagac cuuucucaua ggucgccgca   60

ccacguacca cugucgguuc cac   83

<210> 53

<211> 82

<212> RNA

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 53
ggagcucaga cuucacucgu ggaauaggaa ugacucagac cuuucuauag gucgccgcac   60

cacguaccac ugucgguucc ac   82

<210> 54

<211> 84

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 54
ggagcucaga cuucacucgu ggaauaggaa ugacucagac guuucuccau acgucgccgc   60

accacguacc acugucgguu ccac   84

<210> 55

<211> 84

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 55
ggagcucaga cuucacucgu ggaauaggaa ugacucagac guuucuccaa acgucgccgc   60

accacguacc acgucgguu ccac   84

<210> 56

<211> 83

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 56
ggagcucaga cuucacucgu ggaauaggaa ugacucagac guucuccaua cgucgccgca   60

ccacguacca cgucgguuc cac   83

<210> 57

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 57
ggagcucaga cuucacucgu ggaauaggaa ugacucagac cuuucuccau aggucgccac   60

cacguaccac ugucgguucc ac   82

<210> 58

<211> 84

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 58
ggagcucaga cuucacucgu ggaauaggaa ugacucagac guuucuucau acgucgccgc   60

accacguacc acugucgguu ccac   84

<210> 59

<211> 82

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 59
ggagcucaga cuucacucgu ggaauaggaa ugauucagac guuuccauac gucgccgcac   60

cacguaccac ugucgguucc ac   82

<210> 60

<211> 81

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 60
ggagcucaga cuucacucgu ggaauaggaa ugacucagac cuuucauagg ucgccgcacc   60

acguaccacu gucgguucca c   81

<210> 61

<211> 81

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 61
ggagcucaga cuucacucgu ggaauaggaa ugacucagac guuucauacg ucgccgcacc   60

acguaccacu gucgguucca c   81

<210> 62

<211> 80

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 62
ggagcucaga cuucacucgu ggaauaggaa ugacucagac guccauacgu cgccgcacca   60

cguaccacug ucgguuccac   80

<210> 63

<211> 85

<212> RNA

<213> Artificial Sequence

<220>

<223> Ghrelin-binding nucleic acid

<220>

<221> misc_feature

<223> 2'-Flouro-modified pyrimidines

<400> 63
ggagcucaga cuucacucgu ggaauaggaa ugacucagac guuuucucca uacgucgccg   60

caccacguac cacugucggu uccac   85

<210>